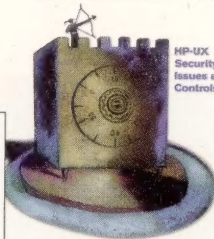


hp-ux/usr

1993 Index

hp-ux/usr

Hands-On Solutions for HP-UX Users • March 1993



HP-UX
Security
Issues and
Controls

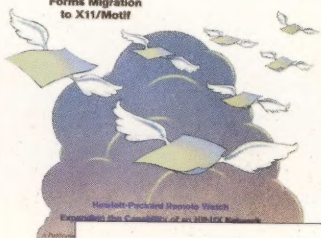
Understanding getty and login
A New Look for Laser/ROM/UX

A Publication of INTEREX • The International Association of Hewlett-Packard Computing Professionals

hp-ux/usr

Hands-On Solutions for HP-UX Users • May 1993

Forms Migration
to X11/Motif

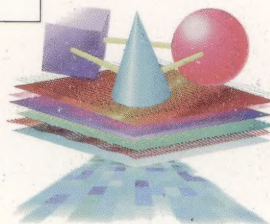


Network-Powered Remote Watch
Expanding the Capabilities of an HP-UX Network

Computer Users

hp-ux/usr

Hands-On Solutions for HP-UX Users • July 1993



Simple Network Management Protocol Packet Decoding

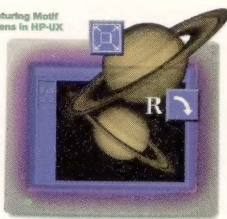
HP-UX System Management Solutions • Design and Build System Swap

Computer Users

hp-ux/usr

Hands-On Solutions for HP-UX Users • September 1993

Capturing Motif
Screens in HP-UX



HP's Advanced Image Management System • Strategic RightSizing
Sharing COM Between BASIC/UX and C

A Publication of INTEREX • The International Association of Hewlett-Packard Computing Professionals

hp-ux/usr

Hands-On Solutions for HP-UX Users • November 1993



Hardware
Flow Control
on HP-UX Serial Ports

Implementing HP 9000-900 Platforms • Remote Network Monitoring

Managing the HP-UX Environment with CA-Goldmine

A Publication of INTEREX • The International Association of Hewlett-Packard Computing Professionals

A Supplement to hp-ux/usr Magazine

Published by Interex, The International Association of Hewlett-Packard Computing Professionals



You're Here.



Your Data is Here.

Send your data on a working vacation and when disaster hits, it will be miles away, safe, protected and working for you.

Whether it is a minor power failure or a full scale disaster, NetBase from Quest Software brings users back on-line in minutes. Use NetBase to replicate

complete application environments anywhere in the world and you will achieve a worry-free computing environment.

NetBase is designed using standard networking capabilities, to function through all modes of operation and failure, including system backups, link failures, and hardware failures.

NetBase won't prevent natural disasters from happening but it will minimize the crippling effects they have on your business.

Call Quest Software for more information 714-720-1434 or e-mail: info@quests.com

QUEST SOFTWARE



hp-ux/usr

Cross-Reference Index • 1993

Contents

How to use this index	2
Subject Index	3
Author Index	9
Article Index	7
Chronological Index	11
New Product Index	13

HOW TO USE THIS INDEX

The 1993 HP•UX/USR Cross-Reference Index has five parts:

Subject Index
Article Index
Author Index
Chronological Index
New Products Index

SUBJECT INDEX

The Subject Index is a three-level index. The listings in each level are fully alphabetized within a level:

Main Heading = general subject

Subheading = specific subject

Subheading = subjects within the subheading

The Subject Index provides access only to subjects, not to article titles. Article titles can be found in the Article Index, Author Index, and Chronological Index. "See" refers the user to a subject heading that is more commonly used for the subject. "See also" refers the user to related subjects. For example:

"See" reference:

Grahical User Interface (See **GUI**)

"See also" reference:

UNIX (See also **HP-UX**)

Main Heading:

HP-UX

Second Level

BASIC/UX

Third Level [September issue: pages]

Sharing COM with C [9:26-27]

ARTICLE, AUTHOR, AND CHRONOLOGICAL INDEX

List of abbreviations:

BREV	Book Review	PER	Performance
C	Columns	PF	Product Focus
CD	CD-ROM	PRG	Programming
DAT	Data Communications	SA	Systems Administration
F	Features	SEC	Security
MIS	Management Information Systems	SM	Systems Management
		SREV	Software Review

NEW PRODUCTS INDEX

The New Products Index contains both names of products and the companies producing them. Company names are boldface.

Subject Index

AIMS (Advanced Image Management System)

Data manager [9:44-52]

ISQL [9:48]

Jukebox manager [9:51-52]

Media manager [9:48-51]

CD ROM [3:20-37 3:48; 5:55-58; 7:67-81; 9:66-67; 11:62-63]

CD-I [5:55-58]

Conferences

Interex [3:8]

InterWorks [7:76-77]

SigUNIX [3:8]

Downsizing (See also Rightsizing)

HP 9000/890 "Emerald Platform"

Grahical User Interface (See **GUI**)

Graphics

Formats [9:10-23]

GUI

Migrating forms [5:18-33]

Onyx [5:50-53]

Screen shots [9:10]

Tools [11:58-61]

XRW [5:45-46]

HP 9000-890

"Emerald Platforms" [11:32-34]

HP-UX (See also **UNIX**)

BASIC/UX

Sharing COM with C [9:26-27]

CA-Unicenter [11:22-30]

COM

Sharing between BASIC/UX and C [9:26-37]

CSL (Contributed Software Library) [3:38 5:59-60; 7:74-75; 9:68-69; 11:66-67]

Free Software Foundation [9:62-63]

HP Remote Watch [5:42-49]

HP-UX 9.0 [9:58-60; 9 62-65]

LaserROM/UX (See also LaserROM)

Color resources [3:47-48]

Features [3:20-37]

Font [5:55-58]

HP-UX application updates [11:62]

Subscription [7:67]

- Underscores [5:55-58]
- Mail [5:65-66]
- Modem ports: configuring [3:42-46]
- Motif
 - Forms migration [5:18-33]
 - Onyx [5:50-53]
 - Screen capture [9:10-23]
 - Widgets [11:58-61]
- Networks
 - Expansion [5:34-39]
 - Migration [5:34-39]
- Password protection [3:58-70]
- Patch lists [7:67]
- Real-time priorities [7:65-66]
- Serial ports: hardware flow controls [11:14-21]
- Shell prompts [11:52]
- System administration
 - Accounting management [7:56-57]
 - Configuration management [7:56]
 - Console management [11:26-28]
 - File system cleanup [3:16-19]
 - Network management [7:52-59]
 - Performance management [7:54-55; 11:28-29]
 - Problem management [11:26]
 - Remote commands [5:61-63]
 - Remote consoles [5:61-63]
 - Resource accounting [11:28]
 - Security [3:53-55; 3:58-70; 7:57; 11:23-24]
 - Storage management [7:55-56; 11:24-25; 11:54-57]
 - System management [7:52-59; 11:23-24]
 - The HP "How-to" Book for System Administration* (Book review) [9:24-25]
 - Utilities [11:67]
 - Workload management [11:25-26]
- Terminal ports: configuring [3:42-46]
- Tips and tricks [7:65-67]
- UniKix [9:39-43]

LANs (Local Area Networks) (See **Networks**)

LaserROM (See also **LaserROM/UX**)

- Color resources [3:47-48]
- Features [3:20-37]
- Font [5:55-58]
- HP-UX application updates [11:62]
- Subscription [7:67]
- Underscores [5:55-58]

Networks

- Expansion [5:34-39]
- Migration [5:34-39]
- Faults: isolation and monitoring [11:36-46]
- Management solutions [7:52-59]

OpenView [11:36-46]

- SNMP [7:16-29]

Photo CD [5:55-58; 7:70-71; 9:67]

Rightsizing (See also Downsizing)

- Strategies [9:39-43]
- Security [3:53-55; 3:58-70; 7:57; 11:23-24]

Spreadsheets

- Oleo [9:65]
- Storage [7:55-56; 11:24-25; 11:54-57]

UNIX (See also HP-UX)

BASIC/UX

- Sharing COM with C [9:26-27]

C

- Compiler: changes to [9:62]
- Compiler: gcc [9:62-65]
- Sharing COM with BASIC/UX [9:26-37]
- X programming [3:50-52; 5:67-70]

CA-Unicenter [11:22-30]

COM

- Sharing between BASIC/UX and C [9:26-37]

Commands [3:42-46; 3:58-70]

Debugging memory access with SENTINEL [11:68-69]

Device swap [7:50-51]

File system swap [7:50-51]

Functions [5:18-33]

Gadgets [5:22-23]

GUI [5:18-33; 5:45-46; 5:50-53; 9:10; 11:58-61]

Motif

- Forms migration [5:18-33]

- Onyx [5:50-53]

- Screen capture [9:10-23]

Onyx [5:50-53]

Resources [5:23]

Scheduler [11:25-26]

Spooler [11:25]

Tcl [7:60-63]

UNIX Power Tools (book review) [7:48-49]

Wcl (Widget Creation Library) [3:50-52; 5:67-70; 7:60-63; 11:58-61]

Widgets [5:22-27; 5:67-70; 11:58-61]

WYSIWIG design tools [3:50-52]

X

Compiler: gcc [9:62-65]

Elk (Extension Language Kit) [11:58-60]

Forms migration to X11/Motif [5:18-33]

Oleo support [9:65]

Programming [3:50-52; 5:67-70]

Wcl [3:50-52; 5:67-70; 11:58]

X11 (See X)

XRW [5:45-46]

WANs (Wide Area Networks) (See Networks)

Article Index

ARTICLE	ARTICLE TYPE	ISSUE
A Nuts-and-Bolts Look at HP's Advance Image Management System	F.SM	[9:44-52]
Book Review: <i>The HP "How-to" Book for System Administration</i>	F.BREV	[9:24-25]
Book Review: UNIX Power Tools	F.BREV	[7:48-49]
Capturing Motif Screens in HP-UX	F.UX	[9:10-23]
Configuring Terminal and Modem Ports in HP-UX	F.DAT	[3:42-46]
Device and File System Swap	F.PER	[7:50-51]
Expanding the Capability of an HP-UX X.25 Network	F.DAT	[5:34-39]
Fancy Shell Prompts	C.UX	[11:52]
File System Cleanup	C.SA	[3:16-19]
Happiness Is...A Secure Computer	C.SEC	[3:53-55]
Hardware Flow Controls on HP-UX Serial Ports: You Mean HP-UX Really Has It Now?	F.DAT	[11:14-21]
Hewlett-Packard Remote Watch	F.SA	[5:42-49]
How to Migrate Forms to X11/Motif	F.PRg	[5:18-33]
HP LaserROM Takes on a New Look	F.CD	[3:20-37]
HP-UX 9.0	C.SA	[9:58-60]
HP-UX Security Issues and Controls	F.SEC	[3:58-70]
HP-UX Systems Administration	C.SA	[5:61-63]
HP-UX Systems Management Solutions	F.SM	[7:52-59]
Implementing HP 9000-890 "Emerald" Platforms: A Case Study	F.MIS	[11:32-34]
LRom Color Resources	C.CD	[3:47-48]
LRom Font and Underscores	C.CD	[5:55-58]
Managing Disk Space with Logical Volumes	C.SA	[11:54-57]
Managing the HP-UX Environment with CA-Unicenter	F.DAT	[11:22-30]
Mass Storage System	PF	[9:70-71]
Memory Access Debugging Tool	PF	[11:68-69]
My Favorite Things	C.PRg	[11:58-61]
9 to 5	C.PRg	[9:62-65]

ARTICLE	ARTICLE TYPE	ISSUE
Remote Network Monitoring and Fault Isolation Using OpenView	F.MIS	[11:36-46]
Setting Window Sizes in LaserROM	C.CD	[7:68-71]
Sharing COM Between BASIC/UX and C	F.PRg	[9:26-31]
Simple Network Management Protocol Packet Decoding	F.DAT	[7:16-47]
Software Review	F.SREV	[5:50-54]
Standards, Standards	C.CD	[9:66-67]
Strategic Rightsizing	F.MIS	[9:38-43]
The Kernel Courtesy Loader	C.UX	[9:54-56]
Tips and Tricks: Part I	C.SA	[7:65-67]
Tool Control Language	C.PRg	[7:60-63]
Trading Pesky File Names Using UUCP and Mail	C.UX	[5:65-66]
Version ID for MSCDEX	C.CD	[11:62-63]
Wcl, an X Programmer's Tool	C.PRg	[3:50-52]
Wcl, an X Programmer's Tool: Part II	C.PRg	[5:67-70]
Workstation Management	PF	[9:72-73]
Who(1)'s on First? An HP-UX Version of That Famous Abbott and Costello Routine	F.UX	[11:48-50]

Author Index

AUTHOR/ARTICLE	ARTICLE TYPE	ISSUE
Beatty, Stuart Sharing COM Between BASIC/UX and C	F.PRГ	[9:26-31]
Carella, Paul Book Review: The HP-UX System Administrator's "How-to" Book	F.BREV	[9:24-25]
Coggins Propst, Rebecca Device and File System Swap Hewlett-Packard Remote Watch	F.PER F.SA	[7:50-51] [5:42-49]
Combs, Bob How to Migrate Forms to X11/Motif	F.PRГ	[5:18-33]
Curtin, Chris Book Review: UNIX Power Tools File System Cleanup HP-UX Systems Administration HP-UX 9.0 Managing Disk Space with Logical Volumes Tips and Tricks: Part I	F.BREV C.SA C.SA C.SA C.SA C.SA	[7:48-49] [3:16-19] [5:61-63] [9:58-60] [11:54-57] [7:65-67]
Ellis, Samuel C. Implementing HP 9000-890 "Emerald" Platforms: A Case Study	F.MIS	[11:32-34]
Gentry, Art Happiness Is...A Secure Computer	C.SEC	[3:53-55]
Hassell, Bill Capturing Motif Screens in HP-UX HP LaserROM Takes on a New Look LRom Color Resources LRom Font and Underscores Setting Window Sizes in LaserROM Standards, Standards Version ID for MSCDEX	F.UX F.CD C.CD C.CD C.CD C.CD C.CD	[9:10-23] [3:20-37] [3:47-48] [5:55-58] [7:68-71] [9:66-67] [11:62-63]
Hauck, Chris HP-UX Security Issues and Controls	F.SEC	[3:58-70]
Headlund, Larry 9 to 5 My Favorite Things Tool Control Language Wcl, an X Programmer's Tool Wcl, an X Programmer's Tool:Part II	C.PRГ C.PRГ C.PRГ C.PRГ C.PRГ	[9:62-65] [11:58-61] [7:60-63] [3:50-52] [5:67-70]

AUTHOR/ARTICLE	ARTICLE TYPE	ISSUE
Hodges, Jeff Remote Network Monitoring and Fault Isolation Using OpenView	F.MIS	[11:36-46]
Ledo, Craig HP-UX Systems Management Solutions	F.SM	[7:52-59]
Llana, Andres Jr. Expanding the Capability of an HP-UX X.25 Network	F.DAT	[5:34-39]
Strategic Rightsizing	F.MIS	[9:38-43]
Muller, Nathan J. A Nuts-and-Bolts Look at HP's Advance Image Management System	F.SM	[9:44-52]
Managing the HP-UX Environment with CA-Unicenter	F.DAT	[11:22-30]
Pezzano, John A. Configuring Terminal and Modem Ports in HP-UX	F.DAT	[3:42-46]
Hardware Flow Controls on HP-UX Serial Ports: You Mean HP-UX Really Has It Now?	F.DAT	[11:14-21]
Who(1)'s on First? An HP-UX Version of That Famous Abbott and Costello Routine	F.UX	[11:48-50]
Roynan, James P. Software Review	F.SREV	[5:50-54]
Totsch, David Fancy Shell Prompts	C.UX	[11:52]
The Kernel Courtesy Loader	C.UX	[9:54-56]
Trading Pesky File Names Using UUCP and Mail	C.UX	[5:65-66]
Witten, Steve Simple Network Management Protocol Packet Decoding	F.DAT	[7:16-47]

Chronological Index

ARTICLE

ARTICLE TYPE

ISSUE

March 1993

Configuring Terminal and Modem Ports in HP-UX	F.DAT	[3:42-46]
File System Cleanup	C.SA	[3:16-19]
Happiness Is...A Secure Computer	C.SEC	[3:53-55]
HP LaserROM Takes on a New Look	F.CD	[3:20-37]
HP-UX Security Issues and Controls	F.SEC	[3:58-70]
LRom Color Resources	C.CD	[3:47-48]
Wcl, an X Programmer's Tool	C.PRg	[3:50-52]

May 1993

Expanding the Capability of an HP-UX X.25 Network	F.DAT	[5:34-39]
Hewlett-Packard Remote Watch	F.SA	[5:42-49]
How to Migrate Forms to X11/Motif	F.PRg	[5:18-33]
HP-UX Systems Administration	C.SA	[5:61-63]
LRom Font and Underscores	C.CD	[5:55-58]
Software Review	F.SREV	[5:50-54]
Trading Pesky File Names Using UUCP and Mail	C.UX	[5:65-66]
Wcl, an X Programmer's Tool: Part II	C.PRg	[5:67-70]

July 1993

Book Review: <i>UNIX Power Tools</i>	F.BREV	[7:48-49]
Device and File System Swap	F.PER	[7:50-51]
HP-UX Systems Management Solutions	F.SM	[7:52-59]
Setting Window Sizes in LaserROM	C.CD	[7:68-71]
Simple Network Management Protocol Packet Decoding	F.DAT	[7:16-47]
Tips and Tricks: Part I	C.SA	[7:65-67]
Tool Control Language	C.PRg	[7:60-63]

ARTICLE	ARTICLE TYPE	ISSUE
September 1993		
9 to 5	C.PRГ	[9:62-65]
A Nuts-and-Bolts Look at HP's Advance Image Management System	F.SM	[9:44-52]
Book Review: <i>The HP "How-to" Book for System Administration</i>	F.BREV	[9:24-25]
Capturing Motif Screens in HP-UX	F.UX	[9:10-23]
HP-UX 9.0	C.SA	[9:58-60]
Mass Storage System	PF	[9:70-71]
Sharing COM Between BASIC/UX and C	F.PRГ	[9:26-31]
Standards, Standards	C.CD	[9:66-67]
Strategic Rightsizing	F.MIS	[9:38-43]
The Kernel Courtesy Loader	C.UX	[9:54-56]
Workstation Management	PF	[9:72-73]
November 1993		
Fancy Shell Prompts	C.UX	[11:52]
Fault Isolation Using OpenView	F.MIS	[11:36-46]
Hardware Flow Controls on HP-UX Serial Ports: You Mean HP-UX Really Has It Now?	F.DAT	[11:14-21]
Implementing HP 9000-890 "Emerald" Platforms: A Case Study	F.MIS	[11:32-34]
Managing Disk Space with Logical Volumes	C.SA	[11:54-57]
Managing the HP-UX Environment with CA-Unicenter	F.DAT	[11:22-30]
Memory Access Debugging Tool	PF	[11:68-69]
My Favorite Things	C.PRГ	[11:58-61]
Remote Network Monitoring and Version ID for MSCDEX	C.CD	[11:62-63]
Who(1)'s on First? An HP-UX Version of That Famous Abbott and Costello Routine	F.UX	[11:48-50]

New Product Index

A

Advanced Archival Products, Inc. (AAP)

AMASS-Migrator	[11:76]
Optical Jukebox	[11:76]

Agfa

Arcus and Arcus Plus Scanners	[9:96-97]
Mentalix Agreement	[9:96-97]

Alliance Technologies, Inc.

TEXTMACHINE	[9:100]
-------------	---------

Altia, Inc.

Altia Design 1.2	[9:92]
------------------	--------

Answer Computer

Apriori	[9:94]
---------	--------

Applix, Inc.

OpenMail	[7:90]
----------	--------

Artecon

FileTrek	[11:74-75]
Multifunction Jukeboxes	[11:74]
SAIC VUE 3.0	[9:82]
SBus Products	[9:82]

ASCENT SOLUTIONS, Inc.

PKZIP	[9:102]
-------	---------

Atlantic Tech Services (ATS)

maintenance services	[5:80]
----------------------	--------

Automated Technology Associates, Inc. (ATA)

RQM	[7:88]
-----	--------

B

Backup and Restore Engine

[9:84]

Backup Utility

[5:71]

BASIS, Inc.

[3:80]

BBN

BBN/Cornerstone	[7:90-92]
ICC Agreement	[7:90]

Bear Computer Systems

HP-UX/Magic Disk	[7:95]
------------------	--------

Bluestone Products

db Viewer	[3:72]
-----------	--------

Bristol

Insignia Agreement	[7:94]
--------------------	--------

C

CAD Overlay

[9:76-77]

Cadshare Resources, Inc.

DECADE-UX 2.02	[7:80]
----------------	--------

Cal-Logic

CL-319 Memory Board	[9:100]
---------------------	---------

CASE Software Via Liken

[7:82]

- CaseWare, Inc.**
CaseWare/CM Configuration Management System [9:99; 11:84]
- CDDI Adapters for HP/Apollo Workstations [3:78]
- CenterLine Software**
ObjectCenter C++ 2.0 [7:92]
WindRiver Agreement [7:92]
ViewCenter for Motif [9:94-95]
- Central Data**
scsiMux Server [7:88]
- Cincom**
CONTROL: Manufacturing (C:M) [7:86]
CPCS Enterprise Management and Guidance System [9:85]
CPCS Request Tracking System [9:85-86]
SUPRA Server [9:85]
XpertRule [7:86]
- Clarify**
Customer Service Management (CSM) [9:108]
- Clearpoint Research Corporation**
memory upgrades [3:77]
- CLEO Communications**
LINKix [11:76-77]
- Client Emulation [7:78]
- Client-Server Accounting Products [7:78-80]
- Client-Server Business Software [5:78]
- Client-Server Data Access [5:72]
- COBOL Report Writer [9:97-98]
- Cognos, Inc.**
Business Alliances [9:99]
- ColorSoft**
OPENprint [11:90]
- Compression Software [9:102]
- Computer Associates International, Inc. (CA)**
CA-UNICENTER [3:74; 9:72-73,98-99; 11:84]
- Comsci Data Systems, Inc.**
DBAccess/1000 [9:90]
- Concorde Technologies**
Optical Drives and Libraries [9:106-107]
- Conner Peripheral's Storage Systems Group**
Archive ST [7:88]
High-Capacity Floptical [11:78-80]
- CORTEX Corporation**
CorVision [7:93-94]
CorVision Ported to the HP-UX [7:93-94]
- Crescendo Communications**
C320-HP CDDI EISA Adapter [3:78]

C321M-HP FDDI EISA Adapter	[3:78]
C325 CDDI DAS	[3:78]
C326M FDDI DAS	[3:78]
C1802 Crescendo Manager	[3:78]
CDDI/FDDI support in new environments	[7:82]
CDDI/FDDI wiring concentrators	[3:79]
CDDI/FDDI for HP Workstations	[11:86-87]
SBus Adapters	[3:79]
Cross-Reference Utility	[9:106]

D

Data Acquisition Software	[11:80]
Data Modelling Tool	[7:86]
Data Warehouse Development	[9:77-78]
DataBase Publishing Software, Inc. (DPS)	
SmartLeaf/Compare	[11:86]
SmartLeaf/Expert Publisher	[7:88]
Database Browser for Sybase	[3:72]
DataComm for Business (DCB)	
UNImux Multiplexer	[11:91]
Delta Microsystems	
BudTool 4.1	[5:71]
FreezeFrame	[5:71]
MigTool Subsystems	[5:71; 9:84]
Deltec Electronics Corporation	
PowerRite Pro Uninterruptible Power System	[5:80]
DEMAX Software, Inc.	
SecureMax 3.1	[7:88]
Diamond Optimum Systems, Inc.	
DOC/UX	[9:99]
Dickens Data Systems, Inc.	
CA-UNICENTER Support	[11:84]
FacetTerm Distribution	[9:85]
Document Imaging	[7:80]
Document Imaging Interface	[7:93]
Document Revision, Comparison, and Archiving Software	[11:86]
DOS/UNIX File Transfer	[3:79]
Dynamic Information Systems Corporation (DISC)	
OMNIDEX	[5:72]

E

EDA/SQL Supports OpenWarehouse	[9:78]
Electronic Forms Printing Software	[5:78]
Electronic Medical Record System	[9:100]
Enhanced Engineering Software	[7:80]
Enterprise Solutions Limited	
ES/U-ADMIN	[9:91]

Message Transfer Agent [11:77-78]

Epoch

EpochServe, EpochBackup, Epoch Migration [9:108-109]

Ether Board/HPL+II Interface [9:81-84]

Ethernet Devices [9:105]

Eventide, Inc.

WLZ-320 Ether Board Network Interface [9:81-84]

Expanded CDDI/FDDI Products [7:82]

Expanded Maintenance Services [5:80]

F

Falcon Systems, Inc.

Disk Storage Subsystem [11:78]

DV350 "Darth Vader" disk array subsystem [5:79]

FalconRAID [5:79]

File Migration [5:71]

File Migration Subsystems [9:84]

FileNet Corporation

WorkFlo [7:80]

Floptical Technology [9:80]

Franz, Inc.

Allegro CL 4.1 [7:82]

Allegro Composer 2.0 [7:82]

Common LISP Interface Manager (CLIM) 1.1 [7:82]

Freedman Sharp and Associates, Inc.

Load Balancer 3.1 [7:78]

Load Balancer 3.4 [11:80]

G

Grafpoint, Inc.

PC X Server Software [9:95-96]

X for Workgroups [7:86]

Graph Development Tool [9:97]

Graphics Products for Application Developers [11:82]

Group 1 Software

CODE-1 Plus/UNIX [11:72-73]

Group Scheduling Software [3:71]

GUI for MAN-FACT II [7:84-86]

GUI for Printing Network [5:79]

GUI Shop Floor Manager [3:72]

H

Hall-Mark Electronics Corporation

IEM Agreement [9:89]

Helios Systems

Memory Upgrade Guide [9:93]

Helios USA

EtherShare 2.2	[7:93]
Memory Upgrade Guide	[9:93]
Help Desk Support	[9:94]
HERMES Softlab	
GRACE	[9:104]
Hewlett-Packard	
700i Workstations	[11:92]
Epoch Agreement	[9:108-109]
Floptical Technology Agreement with 3M	[9:80]
HP 700/RX Price Reduction	[9:109]
HP OpenView for Windows 7.0 and 7.1	[9:110-111]
HP PT	[7:95]
HP Remote Manager	[7:95]
HP Remote Watch	[3:77]
IDE Agreement	[7:95]
OpenMail	[7:90; 9:109-110]
OpenWarehouse	[9:78]
SoftBench	[3:80; 7:95; 9:100-102]
HICOMP	
HIBACK	[5:77-78]
Hierarchical Storage Management Software	[11:76]
Holland House	
UNISPOOL/COMMANDER	[5:79-80]
Vantage 1.03	[7:94-95]
Host-Based Printing	[11:90]
HP Remote Watch	[3:77]
Iconix Software Engineering, Inc.	
PowerTools	[7:82]
IEM, Inc.	
Budget-Saving Peripherals	[9:89]
Floppy Disk Drives	[9:89]
Hall-Mark Electronics Agreement	[9:89]
On-Site Service for the U.K.	[9:88-89]
SCSI Winchesters	[9:89]
IKON	
Hardcopy Support for ISA/EISA	[9:86]
Performance Enhancements	[9:86]
Image Systems Technology	
CAD Overlay ESP	[9:76-77]
IMC Data Manager	
XL-100E/IP Ethernet Print Server	[9:96]
Industrial Computer Corporation (ICC)	
BBN Agreement	[7:90-92]
Shop Floor Data Manager (SFDm)	[3:72]
Inference Corporation	
Vantive Partnership	[11:90]
Information Builders	

EDA/SQL	[9:78]
FOCUS	[7:93]
Information Resources, Inc. (IRI)	
COSORT 3.0	[9:98]
Innovus, Inc.	
Networker for HP 9000	[11:87-88]
Insignia Solutions, Inc.	
Bristol Agreement	[7:94]
SoftPC 3.1	[9:90]
VAR/Reseller Program	[9:90]
Integris	
UniKix 4.0	[9:106]
Interactive Development Environments (IDE)	
C++ Development Environment	[7:95]
HP SoftBench Partner Agreement	[7:95]
Interface Design Software	[9:92]
Interface Systems, Inc.	
CLEO's LINKix	[11:76-77]
International Internet Access	[9:93-94]
Internationally Approved 400-2,200 VA UPS	[5:80]
ISA Company, Ltd.	
Optical Jukebox	[5:77-78]
ITAC Systems, Inc.	
MOUSE-TRAK Trackball	[11:86]
J	
Job Accounting	[7:84]
K	
Kelly Computer Systems	
Ramdisc	[5:80]
KL Group, Inc.	
XRT/graph 2.3	[9:97]
L	
LAN Power Management	[7:78]
Lantronix	
Local Network Interconnect (LNI)	[9:105]
Lawson Software	
Open Enterprise release of Accounting, Human Resources, Distribution Management Systems, UNIVERSE	[5:78]
LDS, Inc.	
EmPath	[3:79]
Legato Systems, Inc.	
Networker for HP 9000	[11:87-88]
Liant Software Corporation	

CodeWatch	[3:77]
LPI-PL/I	[3:77]
RM/COMPANION 2.0	[9:97-98]
LISP Development Tools	[7:82]
Live Backups	[5:71]
Load Balancer	[7:78]

M

Mac and Workstation Interoperability	[7:93]
Madic-Compufact Corporation	
ERP/MRP II System 5.0: MAN-FACT II	[11:72]
GUI for MAN-FACT II	[7:84-86]
MainSoft	
MainWin	[7:84]
Martech	
Memory Board Selector Guide	[7:93]
Memory Upgrades	[11:88]
Mass Storage System	[9:70-71]
Mass Storage Systems	[7:84]
Mathematical Statistical Analysis	[9:74]
MediaMagic, Inc.	
MMB700 Series	[9:80-81]
Multimedia Interface	[11:88]
Melillo Consulting, Inc.	
SoftBench Agreement	[9:100-102]
Memory Expansion	[9:100]
Memory Upgrades	[3:77]
Mentalix, Inc.	
Agfa Agreement	[9:96-97]
Mercury Interactive Corporation	
XRunner 2.0	[7:92]
Message Delivery System	[9:104]
Metrix Customer Support Systems, Inc.	
ANI Integration with OpenUPTIME	[9:89-90]
HP Premier Solution Partner for Service Management	[11:81]
MichroMechanics	
AT, SCSI Floppy Drives	[9:81]
DPCI OPEN	[9:81]
Micro Systems Support Corporation (MSSC)	
CLEO's UNIX-to-IBM Connectivity Products Distribution	[11:76-77]
Motif GUI Builder	[9:94-95]
MS-Windows Applications to UNIX	[7:84]
Multimedia Products	[9:80-81]

N

National Information Systems, Inc. (NIS)	
ACCENT GraphicVUE, Personal Edition	[11:72]
NETstor, Inc.	
HSM OEM Agreement	[9:95]
NetWare Emulation Software	[3:74]
Network Ready UPS	[[9:104-105]
Network Security Systems, Inc. (NSSI)	
LanSafe II	[7:78; 11:84-86]
NET-UPS	[9:104-105]
Network-wide Backup	[11:87-88]
NeXT Computer, Inc.	
NEXTSTEP 3.1	[9:91-92]
NovaLink Information Service	
Local Internet Access	[9:93-94]
Nth Portable Graphics, Inc.	
Company Name Change	[9:86]
Vanguard Agreement	[7:86]
Numerical Algorithm Group (NAG)	
IRIS Explorer	[11:83-84]
Nutec Corporation	
Desktop Window Manager 2.30	[7:90]

O

O'Reilly & Associates	
PEX 5.1	[7:80]
OCS	
PRIVATE 4.56	[5:79]
OpenMail Licensing/Distribution Agreement	[7:90]
Operations Control Systems	
CHARGE-BACK-UX	[3:76]
PRIVATE	[3:76]
TAPE	[3:76]
Oracle Corporation	
SPEEDWare Support	[11:78]
Vantive Partnership	[11:90]
ORBiT Software	
Plan-B	[9:105-106]

P

Pagine Corporation	
CD2000X	[11:81-82]
ParaSoft Corporation	
Insight	[9:95]
Parity Systems, Inc.	
Disk and Tape Drives	[11:92]
PC Client-Server Backup	[9:105-106]

Phase II Software Corporation

ClockWise 2.0 [3:71; 7:94]

Phase X Systems

X Terminals [11:70-72]

PILOT Systems, Inc.

Advanced Purchase Order Module [11:72]

PL/I Compiler

[3:77]

Platform-Independent RAID

[5:79]

Portable Graphics, Inc.

Company Name Change [9:86]

NPGL library [9:86; 11:82-84]

Portable Inventor [11:84]

PostModern Computing Technologies Corporation

NetClasses 2.0 [11:91]

PowerTools Update

[3:80]

Print Server

[9:96]

Prism Solutions, Inc.

Warehouse Manager 2.0 [9:77-78]

ProActive Software, Inc.

Name Change [11:88-89]

Proactive Systems

FANTASIA/UX [5:78-79]

Problem Management

[9:74-76]

Product Information Management

[11:74]

Productive Software Systems, Inc.

ROBOT/UX [9:106]

Puzzle Systems Corporation

SoftNet Client [7:78]

SoftNet Utilities [3:74]

Q**Quantitative Technology Corporation**

Numerical Advantage [11:74]

R**R Squared**

Infinity IFS 700T, IFS 9000T [7:84; 9:70-71]

RAID Data Storage

[5:76]

Raxco, Inc.

Security Toolkit/INIX (STK/U) [9:90-91]

Real-Time SPC System

[7:88]

Recovery Services

[9:94]

Relaview

db Viewer [3:72]

RGB Spectrum

MediaWall [7:84]

RGB/View [7:84]
 SynchroMaster 300 [11:80]

RMBtech

SATPE [9:84-85]

Ross Systems, Inc.

Renaissance CS Series [7:78-80]

Rules-based Publishing Software [7:88]

S

SCSI for HP BASIC/WS [9:84-85]

SCSI Hardware Interface [9:77]

Security Management [7:88]

Security/Audit/UX [7:90]

Silicon Graphics, Inc.

IRIS Inventor [11:84]

Siren Software Corporation

Siren Editor [9:88]

Siren Fax [9:88]

SNMP Power Management [11:84-86]

Soft/Merge Software [9:98]

SoftBench Channel Partner Program [3:80]

Softool Corporation

CCC/Manager [9:74-76]

CCC/Pro [9:74-76]

Software Configuration Management [9:99]

Software Development and Maintenance [9:95]

SOTAS International, Inc.

Accountable Solutions [7:94]

Speedware Corporation

SPEEDWARE 7.01 [11:78]

SPSS, Inc.

SPSS statistical software for UNIX [7:93]

Stat Software [7:93]

Statistical Operations Libraries [11:74]

Sterling Software, Inc.

Financial EDI Program [9:78-80]

GENTRAN for UNIX [7:94]

Ross Systems Agreement [9:80]

Systems Center, Inc. Acquisition [9:80]

Storage Computer Corporation (StorComp)

RAID 7 [5:76]

Storage Technology Corporation

Scepter Acquisition [9:109]

Structured Software Solutions

FacetTerm [9:85]

Summit Instruments, Inc.

Computer Assisted Data Acquisition (CADACQ) [11:80]

SunGard Recovery Services, Inc.

Mainframe Expansion Program [9:94]

Systems Center, Inc.

Network Data Mover (NDM) for UNIX [7:80]

Systems Management [9:76]

T**3M**

Floptical Technology Agreement with HP [9:80]

Tape Backup Price Reduction [7:88]

Tape Jukebox [5:71]

TCP/IP Resources Control [7:94-95]

TeamOne Systems, Inc.

TeamMake [7:92]

TeamView [7:93]

Technical Documentation Generator [9:99]

Ten X Technology

Optical Conversion Unit (OCU) [9:77]

Test Recording Software [7:92]

Texas ISA

Optical Jukebox [5:77-78]

Tivoli Systems, Inc.

Management Environment 1.6 [9:76]

Tryonics, Inc.

Workstations, X Terminals [9:99-100]

U**UniPress Software, Inc.**

PC2X [7:92]

Mail-it [7:92]

SoftNet [9:102-103]

UniSolutions Associates

UNISOL JobAcct 2.1 [7:84]

Unison-Tymlabs

Business Session for Windows 3.2 [5:77]

KLA/UX A.01 [5:77]

Maestro D.01 [5:72-74]

Maestro/UX [5:74-77; 9:104]

SpoolMate B.03 [5:77]

UNIX Connectivity via TCP/IP Support [7:80]

UNIX Fax Software [3:76]

UNIX-to-IBM Connectivity [11:76-77]

Utility for Reduced Response Times [5:80]

V**V-Systems, Inc.**

FxScript	[3:76]
FxServer 2.0	[3:76]
FxVision	[3:76]

Vanguard Technology, Inc.

Mass Storage/Tape Library System	[7:86]
----------------------------------	--------

Vantive Corporation

Name Change	[11:88-89]
New Partnerships	[11:90]
Vantive HelpDesk	[11:90]
Vantive PhoneLink	[11:90]
Vantive System 2.0	[11:89-90]

Vesoft

SecurityAudit/UX	[7:90]
------------------	--------

Video Mixer	[11:80]
-------------	---------

Virtual Disk, Shadowing	[7:95]
-------------------------	--------

Visual Edge Software Limited

ViewCenter for Motif	[9:94-95]
----------------------	-----------

Visual Numerics, Inc.

Exponent Graphics for X and C	[11:82]
PV-WAVE Advantage	[9:74]

VMX Technologies

PowerTools	[3:80]
------------	--------

W**Walker Richer & Quinn (WRQ)**

Reflection X	[9:108]
--------------	---------

Wind River Systems

CenterLine Agreement	[7:92]
----------------------	--------

Workgroup Technology Corporation

CMS Products	[11:74]
--------------	---------

Workload Management	[9:104]
---------------------	---------

Workstation Management	[9:72-73]
------------------------	-----------

Workstation Solutions, Inc

QuickRestore (QR)	[9:84]
-------------------	--------

Workstation, Netware Integration	[9:102-103]
----------------------------------	-------------

X**X Cd, Inc.**

XJet Cards	[9:109]
------------	---------

X for Workgroups	[7:86]
------------------	--------

X.400	[7:94]
-------	--------

Xcelerated Systems, Inc. (XSI)

Liken 1:3	[7:82, 93; 9:102]
-----------	-------------------



23:30

LIGHTS OUT
OPERATION


12 TAPE AUTOCHANGER FOR UNATTENDED BACKUP!

Herstal's DDS Autochanger provides up to 96 Gigabytes of **Unattended Backup** so you can enjoy a good night's sleep without worrying about who or what is backing up your **HP** system.

Available as an upgrade to your existing **HP DDS drive**, or as a subsystem containing HP's new 8 GB drive, our Autochanger is the perfect solution for your backup needs.



7414 Manatee Street
Sarasota, FL 34243-1824, U.S.A.
Phone: 1-813-358-2001
Fax: 1-813-358-2010
E-MAIL: SALES @ HERSTAL.COM



Reflection X is simply better. But why take our word for it?

You be the judge. Try Reflection® X free for 30 days, and you'll see why it's 'simply better.'

You'll discover complete PC-to-UNIX connectivity. Reflection X is the first 32-bit PC X server to include advanced TCP/IP for Windows, award-winning VT320 emulation, and sophisticated applications like FTP client and server and LPR/LPD. All from a single vendor.

You'll find Reflection X is easier to use, too, because it takes full advantage of Microsoft Windows. We've added features like drag-and-drop FTP and configurable panning. Plus, our intelligent client startup lets you launch X clients automatically—right out of the box!

Reflection X delivers top performance, reliability, and offers outstanding technical support.

So call today for your free 30-day evaluation. Because when it comes to 'simply better,' you know best.

**For your free 30-day evaluation
of Reflection X, call**

800-92NETWORK.

In Europe, call +31.70.375.11.00
Outside Europe, call 206.217.7100

 **Reflection**

Making PC Connections Count